FIG. 1

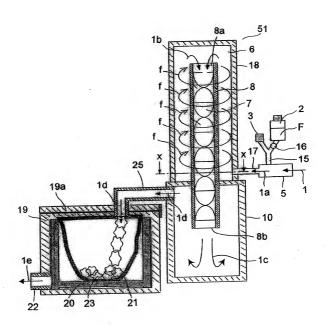


FIG. 2

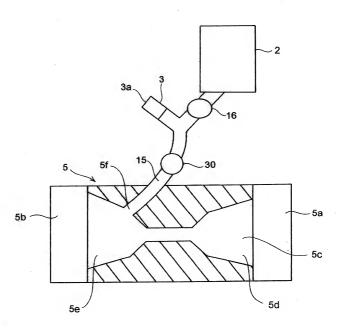


FIG. 3

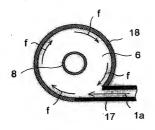


FIG. 4

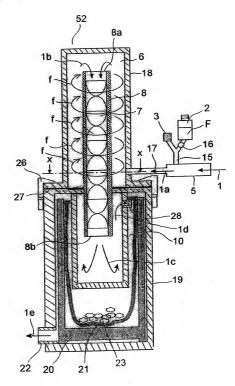


FIG. 5

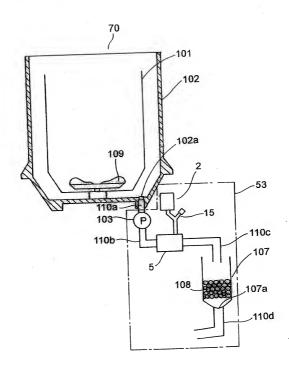
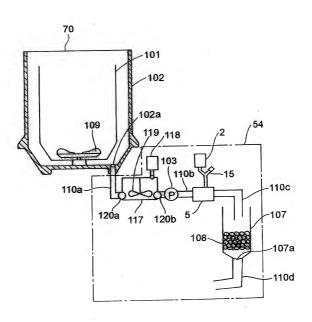
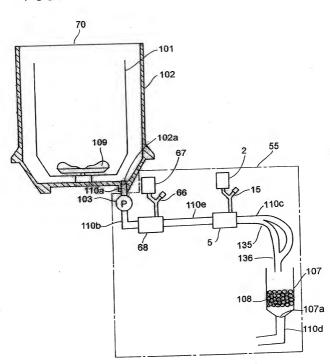


FIG. 6



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FIG. 7



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FIG. 8

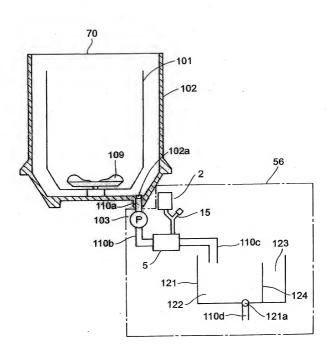
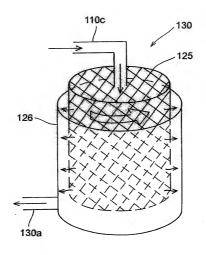


FIG. 9



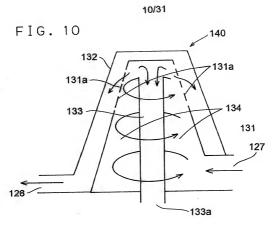


FIG. 11

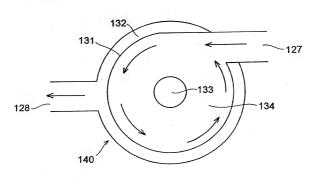
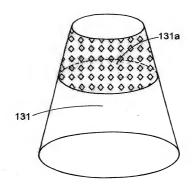
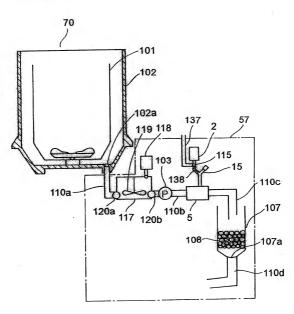


FIG.12



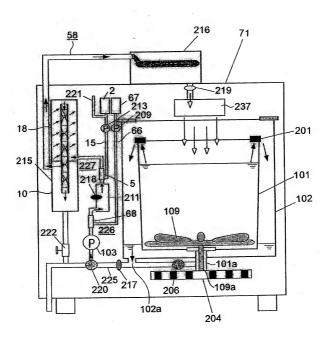
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FIG.13



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FIG.14



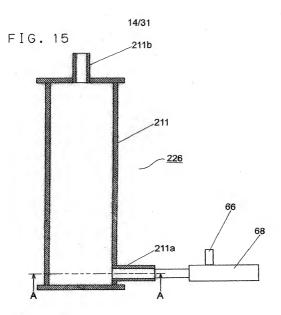
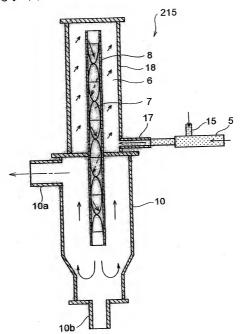


FIG. 16

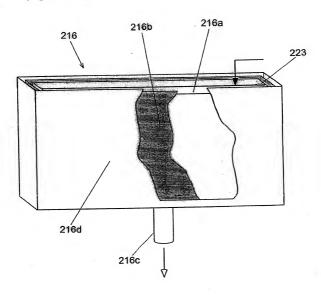
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FIG. 17



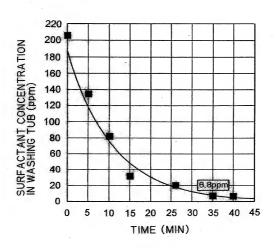
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FIG. 18



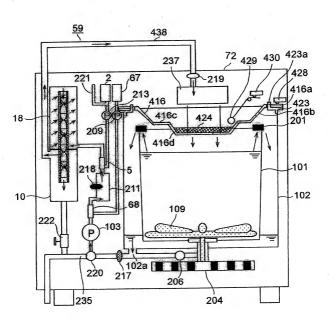
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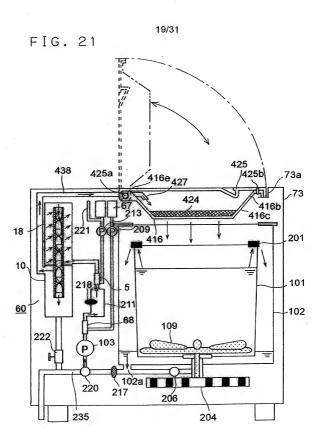
FIG. 19



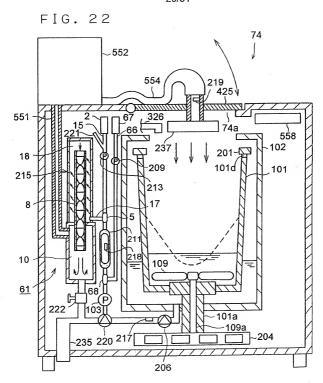
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FIG. 20





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FIG. 23

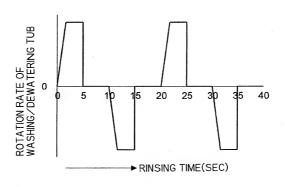


FIG. 24

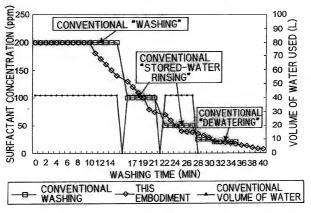
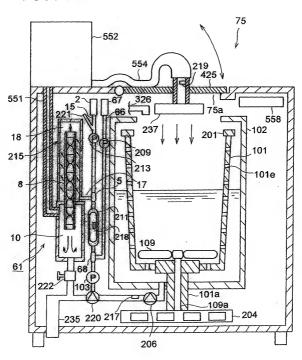


FIG. 25

	SURFACTANT CONCENTRATION IN WATER DISCHARGED IN FINAL DEWATERING(ppm)	TURBIDITY (NTU)
CONVENTIONAL RINSING	35	10.2
PURIFIED-WATER RINSING	20	1.5

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FIG. 26



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FIG. 27

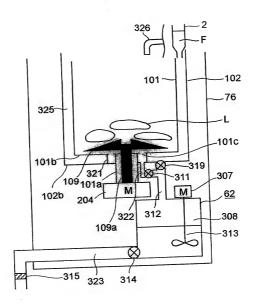
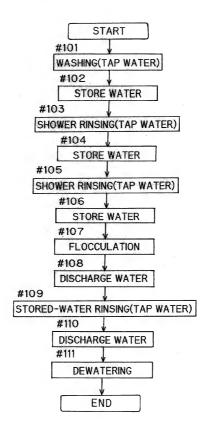
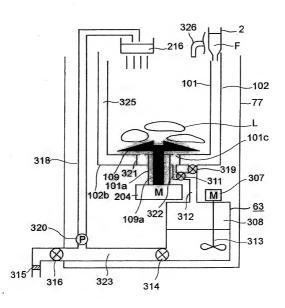


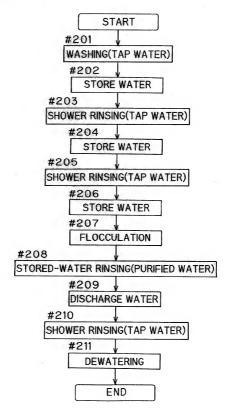
FIG. 28

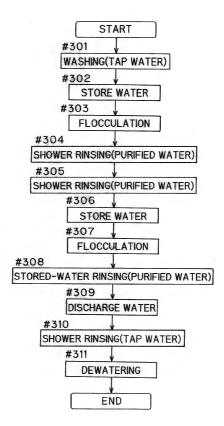


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FIG. 29







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FIG. 32

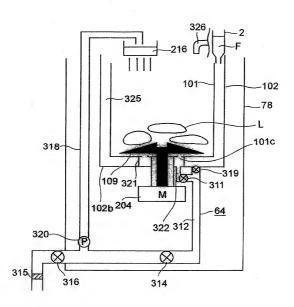


FIG. 33

FLOCCULANT WATER SOLUTION	FLOCCULANT	BASICITY	CONCENTRATION (ON AN Al2O3 BASIS)
TAKIBINE#1500	PAC	83	23.2%
TAKIBINE#100	AlCl3	0	11.5%

	FLOCCULANT WATER SOLUTION	PAC:AICI3 (RATIO BY WEIGHT ON AN AI2O3 BASIS)	AMOUNT NEEDED (ON AN Al≥O₃ BASIS)	COLD WATER
COMPARATIVE EXAMPLE 1	RE-1	1:0	230mg/L	0
PRACTICAL EXAMPLE 1	SA-1	6:1	216mg/L	0
PRACTICAL EXAMPLE 2	SA-2	2:1	202mg/L	0
PRACTICAL EXAMPLE 3	SA-3	2:3	90mg/L	0
COMPARATIVE EXAMPLE 2	RE-2	0:1	60mg/L	×

PAC ADDED (mL/L)	HCI ADDED	WASTEWATER	SURFACTANT REMOVAL RATE
1.75	0	5.5	96.0
1.75	0.25	4.3	97.6
1.75	0.5	3.6	97.9